Guardrail and Failure-Mode Register

Part 2 (2a-2b): Informational Architecture; Knowledge, Intelligence, and Observation | Issue 1

Control field	Value
Document ID	P2-2A2B-SD03-GUARDRAIL
Version / issue	Issue 1
Date	2026-09-23
Status	Final Issue 1 support release covering all ten Part 2 canonical papers, including the released Paper 1c scholarly apparatus. Secondary to canonical papers. Exact paper and support file identities are recorded in the release manifest; scholarly scope limits remain explicit.
Supersedes	The preceding Issue 1 copy of this support document and its earlier pre-release inputs. Immediate release input: Part 2 - Guardrail and Failure-Mode Register - Issue 1.docx | sha16 f7f146829f058b20. Earlier source files and release history are retained. This reissue aligns support to the minimally amended Papers 2, 4a and 4c; it makes no further paper edits.
Function	Records Part-level conceptual guardrails, failure modes, severity classes, corrections, and diagnostic questions while preserving distinct Part 2a and Part 2b failure-control regions.
Canonical rule	Canonical primary and extension papers govern technical definitions. Paper 1 owns the RRP architecture; Paper 1a signal; Paper 1b reference-indexed realism and closure; Paper 1c the relational index, embodiment, derived reachability, Relational Form, and propagation; Paper 2 knowledge; Paper 3 intelligence; Paper 4 observation; Paper 4a abstraction and perspective; Paper 4b scale and measurement; Paper 4c the observation-program operational envelope.
Internal split rule	Part 2a and Part 2b remain distinct canonical regions inside one Part-level support control. Part 2b inherits Part 2a architecture; downstream material does not retroactively redefine upstream canonical terms.
Source-lock rule	Use the ten Issue 1 paper identities in 0.1 and the directional support-control chain in 0.2. Part_2_Issue_1_Support_Manifest.json distinguishes recalculated SHA-256 digests from unchanged recorded locks carried forward without byte verification. Historical predecessor locks remain evidence only. Every later saved edit requires rehashing and downstream reconciliation.

Control field	Value
Template rule	Retain the consolidated support schema, record IDs and GOT-SFMT-01 visual family. Preserve Paper 1c content and canonical definitions. This reconciliation updates release controls and the limited Paper 1c support alignment; it adds no external publication or independent technical definition.

0. Part-level consolidation and source discipline

This clean Issue 1 support reissue reconciles Part 2a and Part 2b with the completed, limited Paper 1c integrations in Papers 2, 4a and 4c. The ten-paper sequence, canonical ownership and internal split are preserved. Source-lock verification and carried-forward limits are distinguished in 0.1. This support pass makes no further primary- or extension-paper edits.

The Issue 1 canonical paper sequence is 1, 1a, 1b, 1c, 2, 3, 4, 4a, 4b, 4c. Paper 1c - Relational Form is an attached extension of Paper 1, placed after 1b. The Part 2b sequence remains Knowledge (2), Intelligence (3), Observation (4), Limits (4a), Scale (4b), and Operational Envelope (4c).

0.1 Canonical source register - Issue 1 release lock

Seq.	Released source / current and historical locks	Canonical paper	Canonical ownership / use
Part 2a / Paper 1	GOT-V1-2a-1 - Relative Reference Points - Issue 1.docx Issue 1 SHA-256 (first 16): d786d0683fca89f8 Historical predecessor only: 1. Relative Reference Points P2v8.docx | sha16 36cab03f9d685afb	Relative Reference Points	Reference-indexed informational architecture; Relational Access Principle; RRP and RRP Set; OP, OA, OR, RAS, RSD; local locus discipline; scoped operational information for a locus.
Part 2a / Paper 1a	GOT-V1-2a-1a - From Noise Cometh Signal - Issue 1.docx Issue 1 SHA-256 (first 16): 295caad5ca395d00 Historical predecessor only: 1a. From Noise Cometh Signal - P2v11.docx | sha16 dc80b50275c6ac95	From Noise Cometh Signal	Physical pathway of availability; variation, preserved contrast, signal, channel-relative discriminability, Locus Event Horizon, signal/information separation, and ingress into OP.

Seq.	Released source / current and historical locks	Canonical paper	Canonical ownership / use
Part 2a / Paper 1b	GOT-V1-2a-1b - Reference-Indexed Realism - Issue 1.docx Issue 1 SHA-256 (first 16): 259f3a4db7bf6aed Historical predecessor only: 1b. Reference Indexed Realism - P2v7.docx | sha16 28306cc5f13cf769	Reference-Indexed Realism	Reference-indexed realism; broad bounded-registration bridge use; ontological target, finite model, residual, access scaffold, and discipline of closure.
Part 2a / Paper 1c	GOT-V1-2a-1c - Relational Form - Issue 1.docx Issue 1 SHA-256 (first 16): 47757d7fbce15332 Historical lineage: added during the Part 2 support reconciliation; the earlier Draft v3 and Apparatus working copies are superseded release inputs, not current canonical locks.	Relational Form	Relational index; target and locus as local physical cuts; coupling; embodiment of OA-keyed RAS; derived Relational Reachability; Relational Form and physically supported potential; relational propagation; relation before representation. RRP Set primitives remain owned by Paper 1.
Part 2b / Paper 2	GOT-V1-2b-2 - On the Origin of Knowledge - Issue 1.docx Issue 1 SHA-256 (first 16): 1c8023254b9e9e1c Historical predecessor only: 2. On the Origin of Knowledge - P2v8.docx | sha16 22932c7f9d238909	On the Origin of Knowledge	Knowledge as retained distinction; RAS as canonical minimal carrier; TK, KIP, NTK; record-status separated from truth, warrant, objectivity, and justification.
Part 2b / Paper 3	GOT-V1-2b-3 - On the Origin of Intelligence - Issue 1.docx Issue 1 SHA-256 (first 16): 38f1b0e3d69c60e2 Historical predecessor only: 3. On the Origin of Intelligence - P2v5.docx | sha16 30b095be2bf4bde5	On the Origin of Intelligence	Intelligence as applied distinction; finite branch-space; passive/active information; passive/active intelligence; NTI; provenance, comparator, and locus discipline.

Seq.	Released source / current and historical locks	Canonical paper	Canonical ownership / use
Part 2b / Paper 4	GOT-V1-2b-4 - On the Origin of Observation - Issue 1.docx Issue 1 SHA-256 (first 16): 183e222a589a6bc4 Historical predecessor only: 4. On the Origin of Observation - P2v8.docx | sha16 6bf3d4081841fd63	On the Origin of Observation	Observation as bounded registration; OR event; RAS record; Pre-TO, TO, OIP, NTO; observer-locus, Observer, Observer Event Horizon, and record-provenance.
Part 2b / Paper 4a	GOT-V1-2b-4a - The Limits of Observation - Issue 1.docx Issue 1 SHA-256 (first 16): f99af6b8df811fa6 Historical predecessor only: 4a. The Limits of Observation - P2v4.docx | sha16 6783e2a4c2434fdb	The Limits of Observation	Cut, abstraction regime, perspective, event-horizon profile, Abstraction Gap, relational uncertainty, and objectivity as disciplined correction.
Part 2b / Paper 4b	GOT-V1-2b-4b - The Scale of Observation - Issue 1.docx Issue 1 SHA-256 (first 16): 184d8bcc2ca708ea Historical predecessor only: 4b. The Scale of Observation - P2v5.docx | sha16 1113c05ac8df8cce	The Scale of Observation	Scale as stabilised comparability; magnitude, reference scale, operative scale, measurement, Scale Gap, scalar alignment, and scalar objectivity.
Part 2b / Paper 4c	GOT-V1-2b-4c - The Operational Envelope of Observation - Issue 1.docx Issue 1 SHA-256 (first 16): aa383c443babd127 Historical predecessor only: 4c. The Operational Envelope of Observation - P2v9.docx | sha16 02a8f4e8d57e80d5	The Operational Envelope of Observation	Observation program and descriptor layer; OH, CH, RF, OBW, OD, OG, ODr, OL, OCx; threshold/performance separation and failure localisation.

Source identity note: the current first-16 SHA-256 values for Paper 1c and all six Part 2b papers were recalculated from the available DOCX files, using the reissued Papers 2, 4a and 4c. Papers 1, 1a and 1b retain their recorded Issue 1 locks; their bytes and the earlier full manifests were not supplied for this reconciliation. Part_2_Issue_1_Support_Manifest.json records the verified full digests and marks those three retained locks without reconstructing missing digests. Historical predecessor locks and earlier change-log entries remain historical evidence.

Paper 1c release alignment: the canonical Issue 1 manuscript contains 21 native endnotes, nine internal series references and six reused external works. Its direct conceptual sources are Papers 1, 1a and 1b; Part 2b references are downstream handoffs. The support stack preserves the manuscript's compositional scope and explicit evidence limits, including endnote 10 on the unsupported Plato attribution. Release identity does not establish that attribution, validate the illustrations empirically, or constitute a new external discovery audit. Bibliographic roles and limits are recorded in SD-04 as the downstream consolidation record, not as an upstream definition or hash dependency.

0.2 Part-level support-control chain

Control ID	Released control file / source lock	Permitted use
P2-SD01	Part 2 - Concept Compression Map - Issue 1.docx Issue 1 SHA-256 (first 16): eee99287e2cfaa10 Historical predecessor only: Part 2 (2a-2b) - Informational Architecture and Knowledge Intelligence and Observation - Concept Compression Map - Issue 1.docx | sha16 55c6d7f2e885ce66	Architecture compression and Part-level source-discipline control.
P2-SD02	Part 2 - Glossary - Issue 1.docx Issue 1 SHA-256 (first 16): b144e7dc2eac7133 Historical predecessor only: Part 2 (2a-2b) - Informational Architecture and Knowledge Intelligence and Observation - Series Master Glossary - Issue 1.docx | sha16 b56df66b7bab72f5	Controlled vocabulary and canonical-home cross-check.

Inherited Part 1 support controls remain limited to the uses already permitted by the source documents: NTC, BD, IPL, comparator/localisation discipline, and support-document template/control practice. Part 1 life-attribution classes are not imported into Part 2 statuses.

Excluded source class: superseded Part 2 paper revisions; separate pre-release Part 2a/Part 2b support wording where it conflicts with current canonical papers or this consolidated control path; exported full-series TEM material; future Part 3 unknown-handling procedures except explicit

handoff; prior generated answers; and unverified or unadmitted external material. Bibliographic apparatus does not create technical inheritance or move canonical ownership.

0.3 Internal subdivision map

Part 2a - Informational Architecture: Papers 1, 1a, 1b, and 1c. Part 2b - Knowledge, Intelligence, and Observation: Papers 2, 3, 4, 4a, 4b, and 4c. The internal sections below retain the pre-release subpart support architecture under this single Part-level control.

Part 2a - Informational Architecture

Internal Part 2a support section. Papers 1, 1a, 1b, and 1c govern this region. Part 2b terms may appear only as downstream handoff unless the source text explicitly marks a broader bridge use.

1. Purpose and governing rule

This document records the main conceptual guardrails for Part 2a: Informational Architecture (From Substrate to Phenomenology). It protects the four canonical papers - Paper 1 and attached extensions 1a, 1b, and 1c - as they are compressed, cross-indexed, applied, and carried into the Part 2b support region.

It protects the architecture from pan-informational attribution, information-scope collapse, signal inflation, persistence-stage inflation, persistent-state/RAS collapse, external-interpreter substitution, locus drift, RRP subjectivism, empty constructivism, naive possession, signal-as-semantics error, Shannon overextension, Locus Event Horizon overreading, target/model collapse, residual laundering, and premature closure. Paper 1c adds controls against index/Form/model collapse, embodiment-stage inflation, ingress/reachability collapse, unsupported potential, semantic transfer, and target-related error being mistaken for a true target property.

Primary guardrail: do not let physical difference, physical persistence, propagation, residue, preserved contrast, external describability, measurement output, model success, observer interpretation, or realism-language replace the discriminator conditions that earn RRP-indexed informational availability for a locus, signal status, RRP Set status, indexed reality-claim, target/model adequacy, or closure. Do not use the scoped RRP definition to revoke other legitimate informational regimes.

2. Canonical ownership guardrail

Rule: Paper 1 defines the informational architecture and scoped operational information for a locus; Paper 1a defines the physical pathway of availability; Paper 1b defines reference-indexed realism and closure; Paper 1c gives the physical account of relational index, embodiment, derived reachability, Form, and propagation. Support compression must not move that ownership or add a primitive. Paper 1c does not replace the Part 2b technical status ladders.

Architecture region	Canonical home	Guardrail
Informational architecture, RRP, OP, OA, OR, RAS, RSD	Paper 1	Do not redefine information for a locus, RRP, OP, OA, OR, RAS, or RSD in signal, realism, glossary, guardrail, or later Part 2b documents; do not turn the scoped RRP definition into a universal revocation of other information disciplines.
Physical pathway into availability	Paper 1a	Do not treat signal, physical persistence, propagation, residue, channel-discriminability, or the Locus Event Horizon as independent replacement definitions for RRP-indexed information. Persistence, propagation, and residue are not structural stages.
Reference-indexed realism and closure discipline	Paper 1b	Do not treat support compression as complete ontology, broad observation as unmediated

Architecture region	Canonical home	Guardrail
		certainty, or any finite model as a substitute for target/model/residual analysis.
Relational index, embodiment, reachability, Form, and propagation	Paper 1c, headings 1-5 and 7.1	Keep the physical index, local target/locus, primitive RAS, embodiment, derived formation capacity, distributed Form, finite model, and residual distinct.
Knowledge, intelligence, and technical observation status terms	Part 2b handoff	Do not assign Part 2b statuses inside Part 2a. Preserve Paper 1b broad observation-as-bounded-registration language only as realism-facing bridge use.
Support-document compression and support-stack alignment	SD-01	Do not treat support documents as canonical redefinitions. Primary papers govern technical use.

3. Severity classes

Class	Meaning	Examples	Required response
Class A - Mechanical inconsistency	Breaks the architecture.	Calling all difference RRP-indexed information; treating all signal as information for the evaluated locus; treating persistence or residue as RAS; making RRP subjective; collapsing target into model; hiding residual inside closure.	Correct before finalisation.
Class B - Terminology drift	Creates ambiguity or future misuse.	Using information without its regime or locus; using signal without preserved contrast; using locus without specifying the evaluated relation; using realism without target/model/residual; using broad observation as the technical Part 2b status.	Correct before compression or publication.
Class C - Presentation ambiguity	May mislead despite intact architecture.	Event horizon sounds like metaphysical edge; residual sounds like failure; relative sounds like arbitrary; support document sounds canonical.	Clarify through wording, heading, ownership note, residual statement, or diagnostic question.

4. Master guardrail table

Failure mode	Error	Correction	Severity
Source-lock drift	Part 2b papers, later observation papers, older drafts, exported TEM	Return to the four supplied Part 2a files in 0.1 and SD-01 as support	A

Failure mode	Error	Correction	Severity
	material, or prior generated answers re-enter Part 2a as conceptual sources.	control only. Paper 1c is an authorised source addition; historical P2 filenames and sha16 values are not current release locks.	
Canonical ownership drift	A support document becomes a source of technical redefinition.	Return the term to its canonical home; mark support text as compression only.	A
Part 2b import drift	Knowledge, intelligence, or technical observation status ladders are used to define Part 2a concepts.	Treat Part 2b statuses as downstream handoff only; preserve Paper 1b broad observation-as-bounded-registration use without importing the later status ladder.	B
Pan-informational collapse	Every physical difference is treated as RRP-indexed information for the evaluated locus because it exists, persists, differs, or can be described.	Require RRP-indexed availability as operational distinction for the specified locus.	A
External-interpreter substitution	A relation is attributed to the system because an external analyst can describe or use it.	Specify the evaluated locus and show availability, classing, registration, retention, or redeployment for that locus.	A
RRP subjectivism	RRP-relative is read as subjective, arbitrary, or mind-created.	Restore the realist guardrail: the relation is relative, the constraint is real.	A
RRP absolutism	A distinction available to one locus is treated as universally available.	Specify locus, interface, scale, horizon, discrimination regime, abstraction, and path conditions.	B
Locus drift	The explanatory work moves silently between source, carrier, receiver, user, institution, environment, and analyst.	Use local locus discipline; redraw the locus only when the evaluated relation changes and state the transfer.	A
OP inflation	A persistent or propagating physical state, residue, or merely possible contrast is treated as OP before availability at an interface is shown.	Require available contrast for a specified locus under reference conditions.	A
OA omission	Available contrast is treated as registerable without a classing regime.	Identify the abstraction or partition that makes alternatives same/different, signal/noise, present/absent, or within/outside tolerance.	B
OR inflation	Perturbation, coupling, physical persistence, or state change is treated as registration.	Require selection of one OP-supported, OA-classed alternative into state.	A

Failure mode	Error	Correction	Severity
RAS inflation	Any persistent physical state, mark, memory-like condition, archive, or residue is treated as RAS.	Require an OA-keyed, OR-produced retained token over the specified horizon and scale. Paper 1c, heading 6 permits table-local RAS only when the local OP/OA/OR relation is established; persistence alone is not enough.	A
RSD inflation	Any downstream effect is treated as redeployment.	Require later transition, inference, action, control, correction, or branch-realisation to depend on the retained distinction.	A
Signal primitive error	Signal is treated as the primitive ground of all information.	Begin below signal: interaction produces variation; variation may persist, propagate, or leave residue; signal begins only where contrast is preserved through a medium under possible discrimination conditions.	B
Signal inflation	Every interaction, variation, persistent state, propagation, residue, or transmission is treated as signal.	Require preserved contrast through a medium under possible discrimination conditions.	A
Information inflation from signal	Every signal-bearing contrast is treated as RRP-indexed information for the evaluated locus.	Require the contrast to become available as distinction for that locus under RRP conditions.	A
Information-scope collapse	The RRP definition of information for a locus is treated as revoking thermodynamic, statistical, physical, Shannon, or other legitimate informational regimes.	Restore scope: those regimes retain their own conditions; RRP asks the further question of operational availability within the evaluated relation.	A
Persistence/propagation stage inflation	Persistence, propagation, or residue is reintroduced as an independent stage between variation and signal or between registration and retained state.	Treat them as physical properties. Signal begins at preserved contrast; RAS begins at an OA-keyed, OR-produced state retained over the relevant horizon.	A
Shannon overextension	SIT is treated as the complete theory of information.	Keep SIT to channel-relative uncertainty, coding, noise, symbols, bits, and transmission under specified conditions; preserve the further RRP availability question.	B
Semantic signal error	Signal is treated as content, message, or meaning by itself.	Return to physical preserved contrast; semantic content requires later regimes of classing, retention, and	A

Failure mode	Error	Correction	Severity
		redeployment.	
Locus Event Horizon overread	The Locus Event Horizon is read as an edge of reality, absolute unknowability, or black-hole physics literalism.	Define it as ingress-boundary of possible relation for a finite locus under a regime.	C
Event horizon/profile confusion	Locus Event Horizon is confused with later Observer Event Horizon or operational performance descriptors.	Use Locus Event Horizon for pre-OP ingress. Paper 1c Relational Reachability concerns formation; the Observer Event Horizon is a downstream facet name, while OH is a program-performance limit.	B
Naive possession	A measurement, record, model, or observer is treated as possessing the target whole.	Restore the access scaffold: finite loci encounter reality through boundary, interface, channel, threshold, scale, abstraction, registration, retention, and possible redeployment.	A
Empty constructivism	Because access is indexed, the target is treated as constructed by the observer.	Restore target constraint. Mediation does not create the target by itself.	A
Sceptical collapse	Because access is mediated, no model is treated as reality-tracking.	Restore corrigible modelling: mediation is not unreality; models vary in fidelity, range, resilience, and residual.	B
Unindexed realism	A claim asks whether something is real without specifying real as what, for what locus, access relation, scale, horizon, comparator, and residual.	Index the realism claim before closing it.	A
Real/unreal flattening	Everything consequential is called real in the same way.	Index the respect: real as experience, risk, institutional force, model, absence, fiction, error condition, etc.	B
Target/model collapse	A finite model, record, category, or measurement is treated as the ontological target itself.	Separate target, access scaffold, finite model, and residual.	A
Residual laundering	Unresolved remainder is hidden inside confidence, closure, or broad realism-language.	State the residual and its update condition; do not convert it into a verdict.	A
Premature closure	The claim closes beyond what access, comparator, scale, horizon, and residual discipline warrant.	Weaken the claim; carry residual forward; identify what would update the closure.	A
Reference-index / relational-index collapse	The finite reference conditions of a claim are treated as the whole	Keep the RRP reference node and claim index distinct from the wider	A

Failure mode	Error	Correction	Severity
	physical relational index, or the index is treated as an observer inventory.	physical relations within which targets and loci occur (Paper 1c, headings 1.1-1.3).	
Index / Form collapse	Every antecedent physical relation is treated as part of the Relational Form of the selected target distinction.	The index includes deeper relations that need not track that distinction; Form is the target-tracking structure (Paper 1c, headings 1.2 and 7.1).	A
Embodiment-stage inflation	Embodiment is inserted after RAS as a new primitive, further retention test, or stronger information status.	Treat embodiment as the physical description already entailed by OA-keyed retention; RAS remains primitive (Paper 1c, heading 2.3).	A
Coupling / completed-content error	Coupling is described as copying a relation already completed wholly within either target or locus.	Their histories condition interaction, but the coupling produces a new local relation (Paper 1c, heading 2.1).	B
Ingress / reachability collapse	Access to an object, carrier, or signal is assumed to make every target-relative relation formable.	Separate incoming contrast from the organisation needed to stabilise the particular relation (Paper 1c, heading 2.4).	A
Absolute unreachability	A relation not presently formable for one locus is called unreal, impossible for every locus, or permanently inaccessible.	Index reachability to locus, regime, history, scaffold, and horizon; identify physically supported conditions that could change it (Paper 1c, heading 2.4).	B
Unsupported constructive reach	An imagined sequence of concepts or tools is treated as a physically available scaffold.	Require the supported intermediate couplings and changes of organisation; mere conceivability is not enough (Paper 1c, heading 2.4).	A
Form / finite-model possession	A finite model, one carrier, one observer, or one accessible subset is identified with the whole Relational Form.	Keep ontological extent, locally reachable subset, finite abstraction, and residual separate (Paper 1c, headings 3.1 and 5.2).	A
Potential / actual-instance collapse	Physically supported future instantiation is treated as an already present object or a disembodied ideal template.	Potential must be causally organised; a later instance is not present as a hidden miniature (Paper 1c, headings 3.3-3.4).	A
Representation-first requirement	Relation, classed registration, or retention is denied unless a carrier intentionally or semantically stands for its target.	Relation and earned embodiment can precede representation; standing-for is a later relation (Paper 1c, heading 4.1).	A
Intact semantic transfer	Meaning or a completed concept is treated as moving unchanged across	Trace selective physical preservation and the receiving organisation's own	A

Failure mode	Error	Correction	Severity
	carriers and receiving loci.	classing and reconstruction (Paper 1c, heading 4.2).	
Provenance / preservation collapse	A distinction is inferred from a trace merely because it occurred somewhere in that trace's causal history.	Distinguish contrast preserved, contrast lost in transformation, and difference that never entered the path; the kettle-brand and sock-colour cases are different (Paper 1c, heading 6).	A
Form / truth collapse	Every target-related retained state is treated as an accurate target property, or all erroneous relations are excluded from the physical Form.	Separate physical reality of relation from adequacy of target-tracking; conflict and error can be retained without becoming true target properties (Paper 1c, heading 4.3).	A
Distributed Form / locus collapse	Distribution across carriers is assumed to establish one integrated operative locus.	Localise each access and deployment claim separately; no distributed locus follows from Form alone (Paper 1c, heading 7.1).	A
Relational Form / RF collision	Relational Form is shortened to RF and confused with Registration Fidelity.	Write Relational Form in full. RF remains the Paper 4c reliability descriptor (Paper 4c, heading 3.1).	B

The added Paper 1c failure controls use the existing A/B/C severity scheme as support classifications. The source paper supplies the substantive distinctions; it does not supply new bibliographic audit codes or a separate severity taxonomy.

5. Diagnostic spine

When a term, claim, model, example, or support document appears to drift, apply the following diagnostic sequence:

Step	Diagnostic task	Question
1	Check source and canonical home.	Is the term owned by Paper 1, 1a, 1b, 1c, or by a stated downstream Part 2b paper?
2	Identify the target difference or relation.	What physical difference, contrast, target relation, model, or realism claim is at issue?
3	Specify the RRP.	For what locus, through what interface, at what scale, over what horizon, under what discrimination/noise and abstraction regime?
4	Locate physical pathway status.	Is this interaction, variation, persistence/propagation/residue as a physical property, preserved or signal-bearing contrast, channel-discriminable contrast, or available distinction?
5	Audit RRP Set status.	Are OP, OA, OR, RAS, and any RSD established

Step	Diagnostic task	Question
		for the specified locus? Is embodiment merely describing an earned RAS, rather than upgrading persistence?
6	Protect locus discipline.	Has the claim silently moved from source to carrier, from carrier to user, from system to analyst, or from one locus to another?
7	Index the realism claim.	What are the target, access scaffold, finite model, comparator, and residual? Where relevant, how do the wider index and distributed Form differ from the locally reachable subset?
8	Assign closure only where warranted.	Does the claim close under the stated reference conditions, or must it remain residual-bearing?
9	Hand off Part 2b statuses only when earned.	Do not call retained distinction knowledge, applied distinction intelligence, or bounded registration the completed technical observation status unless downstream conditions are invoked explicitly.
10	Separate ingress from formation.	Can the carrier enter while the target relation remains unreachable? What actual organisation or scaffold supports immediate or constructible reach?
11	Trace selective propagation.	Which distinction survived, which was lost, and which never coupled into the path? Has the receiver earned its own registration and any retention?
12	Check Form and adequacy.	Is the Form confused with a complete model, all causal history, a true-only set, a present potential instance, or a single operative locus?

6. Architecture-specific guardrails

Guardrail	Instruction
Difference-to-information ladder	Preserve the sequence: interaction produces physical variation; variation may persist, propagate, or leave residue without creating a new informational stage; variation may become signal-bearing where contrast is preserved; signal-bearing contrast may become channel-discriminable; channel-discriminable contrast may become RRP-indexed information for a locus; available distinction may enter OP, OA, OR, RAS, and RSD. Do not skip stages.
RRP-indexed claim first	No RRP-indexed information, record, model, or realism claim is well-formed until the reference node and reference conditions are specified strongly enough for the claim being made. Other informational regimes remain governed by their own conditions.
Signal physicality	Signal is a physical mediation of possible relation. It is not semantic content, not the source whole, and not primitive information.

Guardrail	Instruction
Event horizon discipline	Use Locus Event Horizon only as the ingress-boundary of possible relation before OP is established for a locus under a regime.
Realist double guardrail	Reality is not created by the locus. Reality is not possessed whole by the locus. Both sides must remain visible.
Target/model/residual discipline	Every realism-facing compression should keep ontological target, finite model, access scaffold, and residual separate.
Primitive / derived separation	RRP/OP/OA/OR/RAS/RSD remain the primitive architecture. Embodiment is an operational description, reachability a derived formation condition, and Form a higher-scale target-tracking structure (Paper 1c, heading 7.1).
Table-local RAS and later uptake	The hot-cup case is conditional on local OP/OA/OR and retention. A later observer does not confer an already earned RAS; later uptake is a new relation and does not make the table NTC (Paper 1c, heading 6).
Reachability and dynamic residual	Preserve immediate versus constructible reach, supported scaffolding, and the possibility of change in regime. Unestablished reach is carried as residual, not converted to an absolute verdict (Paper 1c, headings 2.4 and 5.2).
Propagation and representation	Continuity is selective and causally grounded. Later representation remains answerable to what the path preserved and what the receiver can stabilise (Paper 1c, headings 4.1-4.3).

7. Handoff guardrails for Part 2b

Boundary	Instruction
Knowledge handoff	Part 2a can say that RAS prepares retained distinction. It should not assign full knowledge-status unless the Part 2b knowledge ladder is invoked.
Intelligence handoff	Part 2a can say that RSD prepares redeployment and branch-realisation. It should not assign intelligence-status unless applied distinction and downstream trajectory selection are evaluated.
Observation handoff	Paper 1b uses bounded registration broadly and Paper 1c supplies physical grounding. Neither replaces Paper 4 technical TO/OIP/NTO, observer-locus, or Observer conditions.
Abstraction/scale handoff	Paper 1c treats physically supported OA, embodiment, and derived reachability. The observation-specific cut/perspective account, scalar measurement, and operational performance retain their homes in Papers 4a, 4b, and 4c.
Reachability / deployability handoff	Do not use relation formation to certify KIP, OIP, realised RSD, OH, or CH. Each downstream condition requires its own locus, pathway, and discriminator.

8. Change log

Issue	Date	Change
Issue 1	2026-08-08	Revised Issue 1 source lock to Papers 1 P2v8, 1a

Issue	Date	Change
		P2v11, and 1b P2v7 and the updated SD-01 Issue 1; preserves scoped-information failure control, non-stage treatment of persistence/propagation/residue, and broad-versus-technical observation separation.
Issue 1 support - Pass 1	2026-09-23	Integrated Paper 1c with fifteen Part 2a failure controls, downstream cross-facet checks, and conditional hot-cup/RAS treatment. Preserved existing severity classes, historical change record, original rows and canonical thresholds; final release hashes remain pending.
Issue 1 - final release	2026-09-23	Bound the register to the final ten-paper baseline, including the apparatus-bearing Paper 1c, and to released SD-01 and SD-02. Replaced obsolete absent-apparatus and pending-release controls with current locks and carried evidence limits. Existing failure modes, corrections and severity classes remain intact.

9. Release/revision checklist

Does every guardrail preserve canonical ownership among Papers 1, 1a, 1b, and 1c, with Paper 1 as parent and the extension letters intact?
Does the document block physical-difference/information collapse?
Does it block variation/persistence/signal/RRP-indexed-information collapse and preserve other legitimate information regimes?
Does it preserve OP, OA, OR, RAS, and RSD as separate discriminator stages?
Does it preserve local locus discipline and prevent external-interpreter substitution?
Does it keep RRP-relative distinct from subjective, arbitrary, or constructivist?
Does it treat Locus Event Horizon as an ingress-boundary rather than an edge of reality or performance descriptor?
Does it preserve target/model/residual discipline and prevent premature closure?
Does it prevent Part 2b statuses from being imported into Part 2a definitions and exclude older drafts, exported TEM material, and prior generated answers as conceptual sources?
Paper 1c release check: are primitive versus derived status, ingress versus formation, potential versus instance, selective propagation, target-related error, and the Relational Form / RF distinction explicit?

Part 2b - Knowledge, Intelligence, and Observation

Internal Part 2b support section. Papers 2, 3, 4, 4a, 4b, and 4c govern this region and inherit the Part 2a informational architecture. All paper-number references in this section use the current sequential numbering.

1. Purpose and governing rule

This register prevents familiar mental nouns, epistemic compliments, successful outcomes, useful constraints, visible records, measurement numbers, perspective language, scale labels, or performance descriptors from replacing the discriminator conditions that earn Part 2b statuses and evaluations.

It protects the architecture from knowledge-belief and knowledge-truth collapse; information/intelligence and provenance/use collapse; observation-certificate and interaction collapse; record/observer collapse; abstraction and perspective misreadings; magnitude/scale and reference/operative-scale collapse; threshold/performance collapse; descriptor inflation; locus drift; comparator weakness; source drift; and residual laundering. The Paper 1c alignment also blocks embodiment/provenance collapse, reachability/deployability collapse, and distributed Form being treated as an Observer.

Primary guardrail: preserve the ordered distinctions among access, registration, retention, grounded deployability, realised redeployment, applied branch-dependence, bounded observation, abstraction, scalar comparability, program performance, correction, and warrant. Where a discriminator or bound is not established, weaken the claim and state the missing condition.

2. Canonical ownership guardrail

Architecture region	Canonical home	Guardrail
Inherited access architecture	Part 2a	Do not redefine RRP, OP, OA, OR, RAS, RSD, signal, or target/model/residual. Paper 1c physical and derived relations are support cross-checks, not new Part 2b threshold requirements.
Knowledge threshold and ladder	Paper 2	Do not redefine knowledge as belief, semantic possession, truth, justification, usefulness, or conscious awareness. Do not collapse TK, KIP, and NTK.
Intelligence threshold and provenance/use ladder	Paper 3	Do not define intelligence by cognition, usefulness, success, complexity, or resemblance. Active-information provenance belongs to the producing locus, not the later encounter.
Observation threshold, ladder, and observer-status	Paper 4	Do not define observation as every interaction, signal reception, trace, memory, measurement, knowledge, intelligence, or warrant. Do not collapse record, observer-locus, and Observer.
Abstraction, perspective, uncertainty, and objectivity	Paper 4a	Do not treat abstraction as failure or unreality, perspective as opinion, Abstraction Gap as error, or objectivity as consensus or view-from-nowhere.
Scale, measurement, and scalar objectivity	Paper 4b	Do not reduce scale to size, unit, choice, or precision; do not collapse physical magnitude, reference scale, operative scale, or Scale Gap.
Observation program and descriptor layer	Paper 4c	Do not grade performance before status, use descriptors as primitives or status substitutes, or turn reach, fidelity, bandwidth, depth, gain, drift, load, or collapse into warrant.

Architecture region	Canonical home	Guardrail
Comparator and localisation control	Canonical papers with inherited Part 1 control	Use BD-family comparator and IPL/local locus discipline for strong dependence claims; do not import the Part 1 life ladder.
Residual and unknown handoff	Part 2a / Part 3 handoff	Carry explicit residual and update conditions; do not pretend Part 2b provides the later complete procedure for the unknown.

3. Severity classes

Class	Meaning	Examples	Required response
Class A - Mechanical inconsistency	Breaks the architecture.	Redefining a core threshold; assigning active-information provenance to a later encountering locus; calling interaction observation; making any record an Observer; treating magnitude as observer-created; using descriptors to bypass status; hiding residual inside closure.	Correct before finalisation.
Class B - Terminology drift	Creates ambiguity or future misuse.	Using knowledge without retention; intelligence without application; perspective as viewpoint; scale without reference/operative distinction; OH without separating event horizon or operational horizon; performance terms without bounds.	Correct before compression or publication.
Class C - Presentation ambiguity	May mislead despite intact architecture.	“Trivial” sounds unimportant; “passive intelligence” sounds inactive; “Observer” sounds conscious; “gap” sounds error; “relative” sounds subjective; “collapse” sounds any failure.	Clarify through wording, canonical-home note, discriminator, residual statement, or diagnostic question.

4. Master guardrail table

Failure mode	Error	Correction	Severity
Source-lock drift	Older drafts, superseded support wording, exported TEM material, future Part 3 procedures, or prior generated answers enter as conceptual sources.	Use the six supplied Part 2b papers for facet definitions and the four supplied Part 2a papers for their explicitly scoped architecture and physical-grounding roles. Earlier audits and hashes remain historical; do not infer new dependencies.	A
Canonical ownership drift	A support document becomes a source of technical redefinition.	Return the term to its canonical paper; mark support wording as compression only.	A
Issue-number drift	A bibliography-only source revision is treated as requiring a new conceptual Issue, or a conceptual revision is hidden by retaining the old Issue merely because filenames were preserved.	Keep Issue numbering tied to support-document conceptual scope. Bibliography integration alone may remain Issue 1, but every saved source change must receive a fresh source hash and source-lock reconciliation.	B

Failure mode	Error	Correction	Severity
Numbering drift	Paper 2/3/4/4a/4b/4c roles are confused or legacy numbering is used without context.	Use the current Part 2b support sequence and preserve each paper title as the canonical locator.	B
Part 2a inheritance drift	Inherited RRP terms are redefined from Part 2b shorthand.	Use Part 2a primary papers and the internal Part 2a support section for inherited architecture; Part 2b only applies the architecture to new facets.	A
Part 1 import drift	Life-attribution classes or closure terms are imported into knowledge, intelligence, or observation statuses.	Use Part 1 support only for NTC, BD, and IPL control; keep life-status separate.	A
Facet drift	Knowledge, intelligence, observation, abstraction, scale, and performance are treated as interchangeable labels.	State the focal question and canonical home before assigning status or descriptor.	B
Knowledge-belief collapse	Minimal knowledge is defined first as belief, assertion, awareness, or justified proposition.	Restore knowledge as retained distinction; treat belief and justification as stronger organisations.	A
Knowledge-truth collapse	A retained record is treated as true, warranted, objective, or justified because it exists or is used.	Separate record-status from truth-status and correction layers.	A
Persistent-state/RAS collapse	Any persistent mark, state, residue, archive, or memory-like condition is treated as RAS.	Require OP, OA, OR, identifiable token-state, reference scale, and operational horizon.	A
Signal-to-knowledge inflation	Signal-bearing contrast is called knowledge without retained registration.	Require an OR-produced RAS retained as present accessible state.	A
Retention/deployment collapse	TK, KIP, and NTK are treated as one condition.	Separate record-presence, grounded consultability, and realised redeployment.	B
KIP imagination error	A record is called deployable because an imagined future observer might use it.	Require a physically or organisationally well-posed consultability pathway for the focal locus.	B
NTK warrant inflation	Realised deployment is treated as truth or justification.	Keep NTK as retained distinction doing work; evaluate target preservation separately.	A
Intelligence-cognition collapse	Intelligence is restricted to consciousness, language, reasoning, self-awareness, or human resemblance.	Restore applied distinction altering downstream trajectory selection for a locus.	A
Intelligence-usefulness collapse	Any useful structure, regularity, constraint, gradient, or output is called intelligence.	Require application by distinction-conditioned organisation at the evaluated locus.	A
Success/resemblance shortcut	A system is called intelligent because it succeeds or resembles a human answer.	Test whether branch-realisation depends on the applied distinction under comparator discipline.	A
Information/intelligence collapse	Available or retained distinction is treated as intelligence without present application.	Separate information availability, knowledge retention, and intelligence application.	A

Failure mode	Error	Correction	Severity
Passive-information/passive-intelligence collapse	Found distinction is called passive intelligence because it helps a locus.	Passive intelligence requires reuse of made distinction; found distinction remains passive information.	A
Active-information/active-intelligence collapse	Made distinction is called active intelligence merely because prior organisation produced it.	Active information is provenance; active intelligence requires current application.	A
Active-information provenance inversion	Made status is assigned by the later locus that encounters or uses the distinction.	Identify the producing locus whose prior distinction-conditioned organisation fixed the form. Later encounter creates access/use, not provenance.	A
Producer/applicator collapse	Producing locus and present applying locus are assumed identical.	Localise provenance and present branch-space separately; they may differ in time, substrate, and organisation.	B
Producer-extinction error	Active-information status is removed because the producing locus no longer exists.	Preserve made provenance while the produced distinction remains physically instantiated under the claim.	A
Passive-intelligence inactivity error	Passive intelligence is read as dormant, inert, or non-operative.	Show the current reuse that alters branch-space without recomputing the original selection problem.	B
External-interpreter substitution	An analyst uses or admires a distinction and attributes intelligence or observation to the target system.	Show the operation claimed for the evaluated locus: application for intelligence; classed registration and retention for observation, with deployability or realised redeployment where the stronger status requires it.	A
Comparator weakness	NTK, NTI, NTO, or OG is claimed without adequate intervention discipline.	Construct a BD-family comparator preserving relevant context or weaken the claim.	A
IPL/locus vagueness	The mediating organisation is diffuse or moves silently between source, carrier, user, environment, institution, and analyst.	Identify what must remain intact or be disabled for the claimed dependence.	A
Observation-certificate error	“Observed” is treated as truth, direct access, epistemic guarantee, or complete target possession.	Restore bounded registration and record-provenance; evaluate warrant through correction and residual.	A
Observation-interaction collapse	Coupling, perturbation, signal reception, physical alteration, or transient tokenisation is treated as observation.	Require OR into a persistent, re-identifiable OA-keyed RAS for TO or above.	A
Measurement-is-observation shortcut	A number or readout is treated as sufficient observation without auditing classing, registration, retention, scale, and locus.	Map the measurement path through RRP, OP, OA, OR, RAS, and where claimed RSD.	A
Record/observer collapse	Any record, archive, log, or record-field is treated as observer-locus.	Require grounded consultability for OIP-status observer-locus.	A
observer-locus/Observer collapse	Observation-capacity is treated as realised observation.	Require actual RSD-mediated record-operativity and comparator-stable dependence for Observer/NTO.	A

Failure mode	Error	Correction	Severity
Distributed-record inflation	Distributed records are treated as a distributed Observer without localising integration and redeployment.	Map the observation chain and show grounded consultability and realised dependence at the claimed locus.	A
NTO-life collapse	NTO or Observer status is treated as sufficient for life.	Keep observation and life thresholds separate; NTO does not entail life.	A
Observer Event Horizon overread	The ingress boundary is treated as an edge of reality or absolute unknowability.	Define it as the present limit of signal-bearing contrast entering OP for the observer-locus.	B
Abstraction denial	Observation is described as raw reception without OA, selection, omission, or compression.	Expose the cut and abstraction regime that make the relation registerable.	A
Abstraction-as-failure error	Any abstraction or omission is treated as falsity or defect.	Treat abstraction as the enabling condition of finite observation; test whether it preserves the relevant relation.	B
Cut/real collapse	The observational cut, category, model, or record is treated as the real whole.	Restore target constraint and model/record incompleteness; carry residual.	A
Perspective-opinion collapse	Perspective is reduced to personal attitude, bias, preference, or subjectivity.	Define perspective as locus-level integration of an abstraction regime and event-horizon profile.	A
Abstraction Gap/error collapse	Abstraction Gap is treated as error by definition.	Reserve error for consequential miscompression; gap is the structural space in which error can arise.	B
Relational uncertainty globalisation	Uncertainty about preservation by one cut is inflated into global scepticism.	Localise the uncertain relation, conditions, comparator, and correction path.	B
Objectivity-as-view-from-nowhere	Objectivity is treated as abstraction-free, perspective-free access.	Use disciplined correction of perspective under constraint.	A
Objectivity-as-consensus	Agreement alone is treated as objectivity.	Require target constraint, comparator pressure, cross-locus correction, and residual discipline.	B
Scale-size collapse	Scale is reduced to physical size.	Use scale as stabilised comparability; size is one possible magnitude condition.	A
Scale-unit collapse	A unit is treated as sufficient scalar adequacy.	Distinguish standardised unit from the operative relation the measurement claims to preserve.	B
Scale-choice collapse	Scale is treated as arbitrary analyst preference.	Show the operative comparability regime achieved by the locus and constrained by the target relation.	A
Magnitude-scale collapse	Physical magnitude is treated as observer-created or identical to operative scale.	Keep magnitude reality-constrained and scale observer-relative as comparability.	A
Reference/operative-scale collapse	The scale stated by the claim is assumed to be the scale the method actually stabilises.	Specify both and test alignment.	A

Failure mode	Error	Correction	Severity
Precision/alignment collapse	Precise, repeatable, or institutionally enforced measurement is treated as scalar adequacy.	Test whether the measured relation remains stable at the operative scale and under cross-scale correction.	A
Scale Gap/error collapse	Any difference between scales is called error.	Reserve scalar error for consequential misfit; carry Scale Gap where alignment remains incomplete.	B
Cross-scale export error	Population, molecular, legal, local, model, or token-scale relations are exported without a bridge.	Specify a scalar bridge and test preservation under aggregation, individuation, reduction, inflation, or lateral transfer.	A
Threshold/performance collapse	Descriptor grades are used to decide whether observation occurred.	Establish Pre-TO/TO/OIP/NTO first; grade the envelope second.	A
Descriptor inflation	Broad reach, high throughput, depth, gain, or impact is treated as strong observation without registration and dependence.	Return to OP/OA/OR/RAS/OIP/RSD and comparator-stable dependence.	A
Threshold flattening	Minimal threshold success is treated as complete performance across range, time, scale, load, and intervention.	Report descriptor bounds after status.	B
OH/Observer Event Horizon collapse	Program reach is confused with upstream ingress possibility.	Observer Event Horizon bounds entry into OP; OH measures reliable program reach after the program is specified.	A
OH/operational-horizon collapse	Measured reach is confused with the test window.	Operational horizon is an evaluation parameter; OH is a performance descriptor.	B
OH/CH collapse	Reach and admissible intervention range are treated as the same.	OH asks how far the program works; CH asks what can be varied without invalidating comparison.	B
RF/truth collapse	Reliable OA-to-RAS mapping is treated as truth or complete target fidelity.	RF grades registration consistency; abstraction and target adequacy require separate evaluation.	A
OBW/strength collapse	High registration throughput is treated as intelligence, depth, or warrant.	Report bandwidth separately from status, depth, gain, and correction.	B
OD/record-count collapse	Depth is measured by archive size or hierarchy.	OD counts realised consult-and-register links that remain counterfactually significant.	B
OG/consequence collapse	Large downstream effect is called observational gain without retained-discriminator dependence.	Establish comparator-stable dependence before grading OG.	A
ODr/recalibration collapse	Deliberate update is mislabelled drift, or drift is excused as adaptation.	Use ODr for unintended or uncontrolled displacement of mapping or deployment stability.	B
OL/inefficiency collapse	High sustaining cost is treated as automatic failure.	State load relative to capacity, performance, and collapse threshold.	B
OCx/any-failure collapse	Any misregistration, low gain, overload episode, or narrow horizon is called collapse.	Reserve OCx for regime-level loss of content-driven registration or redeployment.	A

Failure mode	Error	Correction	Severity
Descriptor-as-primitive error	OH, CH, RF, OBW, OD, OG, ODr, OL, or OCx is used as a replacement for RRP-set or status architecture.	Treat descriptors as derived measures over an already specified observation program.	A
Failure globalisation	A local failure at OP, OA, OR, RAS, OIP, RSD, dependence, or one descriptor is treated as total observational failure.	Localise the failed segment and retain supported segments and bounds.	B
Residual laundering	Unresolved retention, provenance, application, registration, perspective, scale, comparator, correction, or envelope conditions are hidden inside a verdict.	State the missing condition, residual, and update condition explicitly.	A
Part 3 procedure inflation	Part 2b failure localisation is presented as the complete later discipline of the unknown.	Limit Part 2b to status, bound, and localised missing condition; defer the full residual procedure.	B
Source-hash drift	A source-locked paper is edited, including endnotes, references, or other bibliographic apparatus, while a downstream control document retains the earlier file hash.	Hash the exact current file instance and propagate the new hash through every downstream source-lock register. A version number need not change for bibliography-only integration, but the hash must.	A
Embodiment / active-information collapse	Any embodied RAS, physical trace, or relation in a Form is called active information.	Require the producing-locus distinction-conditioned provenance specified by Paper 3, heading 4.3. Paper 1c embodiment alone does not supply it.	A
Reachability / deployability collapse	The capacity to form a relation is substituted for grounded consultation of a retained discriminator.	Separate Paper 1c relation formation from Paper 2 KIP and Paper 4 OIP admissible RSD pathways.	A
Reachability / realised-operation collapse	A supported possible construction or consultability path is treated as an actual NTK/NTI/NTO episode.	Show the realised distinction-dependent operation and the comparator burden of the claimed facet; possibility does not show operation.	A
Form / distributed-Observer collapse	A distributed target-tracking structure is assumed to be an observation-capable or record-operative whole.	Localise record, consultability, realised redeployment, and comparator-stable dependence. Paper 1c, heading 7.1 does not infer a distributed locus.	A
Receiver / producer relation collapse	Receiving a carrier is assumed to copy the source distinction intact or to supply the original producing provenance.	Trace receiving OP/OA/OR/RAS and any application separately from producing provenance (Paper 1c, heading 4.2; Paper 3, headings 3.1 and 4.3).	A
Reachability / OH / CH collapse	Historical formation capacity is treated as reliable program reach or admissible comparator intervention.	Keep Paper 1c Relational Reachability distinct from Paper 4c OH, CH, and the operational test horizon.	A
RF collision	RF is read as Relational Form rather than the observation-program reliability descriptor.	Reserve RF for Registration Fidelity and write Relational Form in full.	B
Durable-retention prerequisite for all intelligence	Every intelligence episode is required to pass a prior RAS/knowledge threshold.	Paper 3, heading 3.3 permits immediate, embodied, morphological, reactive, or currently registered application without durable retention. Require RAS for retained-record claims, not every applied distinction.	A

5. Diagnostic questions

Diagnostic area	Question
Source and scope	Do the six Part 2b papers govern local facets, while the four Part 2a papers govern explicitly scoped upstream architecture and Paper 1c alignment? Are historical source locks clearly separated from current Issue 1 release locks?
Facet and locus	Is the claim about retention, application, bounded registration, abstraction, scale, or program performance? Which locus carries each relation?
Access architecture	Are RRP, boundary, interface, OP, OA, scale, horizon, noise regime, abstraction, and comparator assumptions specified?
Knowledge	Has an OR-produced, OA-keyed RAS been retained? Is the status TK, KIP, or NTK? Is warrant being claimed separately?
Provenance	Was the distinction found or made? Which producing locus fixed made status? Is later use being confused with production?
Intelligence	Does distinction-conditioned organisation alter downstream trajectory selection for the evaluated locus? Is NTI comparator-stable?
Observation	Did bounded registration produce a retained RAS? Is the status Pre-TO, TO, OIP, or NTO? Is observer-locus or Observer status earned?
Abstraction	What cut and abstraction regime made the relation registerable? What is omitted, compressed, stabilised, or excluded?
Perspective and objectivity	What perspective and event-horizon profile are operative? What correction, comparator, cross-locus, and residual pathways are available?
Scale	What physical magnitude is at issue? What are the reference and operative scales? Are they aligned? What Scale Gap or scalar bridge remains?
Measurement	Can the measurement be mapped through RRP, OP, OA, OR, RAS, and where used RSD? Does precision preserve the target relation at the claimed scale?
Program status	Has threshold status been established before descriptors are applied? Where does any failure occur in OP/OA/OR/RAS/OIP/RSD/dependence?
Envelope	What are OH, CH, RF, OBW, OD, OG, ODr, OL, and OCx under the stated regime? Are terms being used with their actual discriminators?
Residual and update	What condition remains unestablished, and what evidence, intervention, correction, scale bridge, or bound would update the claim?
Paper 1c alignment	Are embodiment, producing provenance, receiving reconstruction, formation reachability, KIP/OIP deployability, actual application, and OH/CH performance kept separate? Is distributed Form being mistaken for a single locus?

6. Master guardrail instructions

Guardrail	Instruction
Knowledge	Assign minimal knowledge only to retained, re-identifiable RAS; keep TK, KIP, and NTK distinct and separate from warrant.

Guardrail	Instruction
Active-information provenance	Fix made status at the producing locus; later encounter or reuse does not create the provenance and producer extinction does not erase it while the form remains instantiated.
Intelligence	Require present application of distinction-conditioned organisation to branch-space for the evaluated locus. Do not require durable prior RAS for every intelligence episode (Paper 3, heading 3.3).
Observation	Require bounded registration into retained RAS; use observer-locus for OIP and Observer for realised NTO only.
Abstraction	Expose the cut and regime; do not equate abstraction, omission, or gap with falsity.
Perspective and objectivity	Treat perspective as organised abstraction architecture and objectivity as disciplined correction under constraint.
Scale and measurement	Separate magnitude, reference scale, and operative scale; treat measurement as registration through scale and state Scale Gap where alignment is incomplete.
Operational envelope	Establish status before applying descriptors; keep OH, CH, RF, OBW, OD, OG, ODr, OL, and OCx distinct.
Comparator and locus	Use BD/IPL/local-locus discipline for non-trivial and gain claims; do not shift explanatory work silently.
Residual	Localise the missing condition and state the update condition; do not convert uncertainty into a hidden positive or negative verdict.
Release control	The authorised ten-paper Issue 1 baseline and directional support chain are frozen in this release. Current source locks identify exact saved bytes. A later edit requires a new digest and downstream reconciliation. Never reuse a historical sha16 as the hash of a changed file.

7. Control interfaces and release checklist

Boundary	Instruction
Part 2a inheritance	RRP, signal, OP/OA/OR/RAS/RSD, local locus discipline, target/model/residual, and the Paper 1c physical and derived relations remain upstream. Papers 2, 4a and 4c now clarify their local relations to Paper 1c without changing facet thresholds.
Part 1 inheritance	NTC, BD, and IPL only. No import of life-attribution classes into Part 2b status or descriptor claims.
Part 3 handoff	Part 2b localises status and program failures and carries residual; the complete discipline of the unknown remains downstream.
Support stack	SD-01 compresses architecture; SD-02 controls vocabulary; SD-03 controls failures. All remain secondary to canonical papers.

Checklist item	Required condition
Canonical source lock	All ten paper identities remain in 0.1. Digests for available paper bytes and predecessor supports match the companion manifest; the unchanged recorded locks for Papers 1, 1a and 1b are separately identified as not reverified here. Historical predecessor locks remain labelled.

Checklist item	Required condition
Issue status	All active support identity fields and running furniture identify Issue 1. Paper 1c's parent relationship and reading position follow the released paper manifest; the preliminary GOT-FMT-01 paper register is not silently amended by this support release.
Ownership	Each threshold, extension concept, and descriptor remains in its canonical paper.
Provenance	Active information is attributed to the producing locus; producing and applying loci are not collapsed.
Status discipline	TK/KIP/NTK and Pre-TO/TO/OIP/NTO remain distinct; status precedes descriptor grading.
Abstraction and scale	Gap terms are not automatic errors; magnitude, reference scale, and operative scale remain distinct.
Descriptor discipline	Every operational-envelope term is used with its discriminator and does not replace the inherited stack.
Residual discipline	Unresolved conditions and update paths are explicit.
Visual QA	Tables, headers, footers, page breaks, and glyphs render cleanly before delivery.
Paper 1c bibliography / audit decision	The released Paper 1c contains 21 native endnotes and 15 references: nine internal series papers and six existing external works. Preserve its bounded source-reuse roles and explicit evidence limits. The missing original coded-audit protocol remains unrecovered; no new audit maturity or external discovery result is manufactured.

Part-level consolidation note

Historical Part-level consolidation and the 23 September 2026 Pass 1 Paper 1c integration are retained. This Issue 1 reconciliation checks the existing controls against the limited amendments in Papers 2, 4a and 4c and refreshes release records and predecessor-support locks. All failure modes, corrections, severity classes, diagnostic questions and facet thresholds remain unchanged. Source-verification limits are stated in 0.1; no primary paper or formatting control is edited.